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chlorite treatment of water supply until repeated tests of 30 cubic centimeters of raw water show absence of colon bacilli.

6. Fly-suppressive measures.
7. Free laboratory examination of suspected typhoid specimens.
8. Extension of sewer mains to unused sandy flats near by; and construction of filter beds well protected from floods and fenced.

### Acknowledgments.

It is a pleasure to acknowledge the ready and thorough cooperation of all the physicians in Gallup, each one of whom gave valuable assistance in furnishing data for the study, and with unfailing courtesy.

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## PLAGUE-PREVENTION WORK.

### LOUISIANA—NEW ORLEANS—PLAGUE ERADICATION.

The following report of plague-eradication work at New Orleans for the week ended January 1, 1916, was received from Surg. Creel, of the United States Public Health Service:

#### OUTGOING QUARANTINE.

| | |
|---|---|
| Vessels fumigated with sulphur | 9 |
| Vessels fumigated with carbon monoxide | 13 |
| Vessels fumigated with cyanide gas | 3 |
| Sulphur used, pounds | 1,159 |
| Coke consumed in carbon-monoxide fumigation, pounds | 18,300 |
| Cyanide used in cyanide-gas fumigation, pounds | 96 |
| Sulphuric acid used in cyanide-gas fumigation, pints | 144 |
| Clean bills of health issued | 34 |
| Foul bills of health issued | 3 |

#### FIELD OPERATIONS.

| | |
|---|---|
| Rodents trapped | 8,273 |
| Premises inspected | 5,559 |
| Notices served | 877 |
| Garbage cans installed | 23 |

#### BUILDINGS RAT PROOFED.

| | |
|---|---|
| By elevation | 86 |
| By marginal concrete wall | 48 |
| By concrete floor and wall | 120 |
| By minor repairs | 257 |
| Total buildings rat proofed | 511 |
| Concrete laid, square yards | 10,988 |
| Premises, planking and shed flooring removed | 116 |
| Buildings demolished | 29 |
| Total buildings rat proofed to date (abated) | 97,996 |

#### LABORATORY OPERATIONS.

| | |
|---|---|
| Rodents received by species: | |
| Mus rattus | 159 |
| Mus norvegicus | 883 |
| Mus alexandrinus | 199 |
| Mus musculus | 5,902 |
| Wood rats | 166 |
| Muskrats | 138 |
| Putrid (included in enumeration of species) | 64 |
| Total rodents received at laboratory | 7,447 |
| Rodents examined | 2,210 |
| Rats suspected of plague | 26 |
| Plague rats confirmed | 1 |

#### PLAGUE RAT.

Case No. 271:
Address, Elevator "E" (outside).
Captured Nov. 26, 1915.
Diagnosis confirmed, Dec. 28, 1915.
Treatment of premises, intensive trapping; elevation of loose material about the railroad yards.

#### PLAGUE STATUS TO JAN. 1, 1916.

Last case of human plague, Sept. 8, 1915.
Last case of rodent plague, Dec. 28, 1915.

| | |
|---|---|
| Total number of rodents captured to Jan. 1 | 559,643 |
| Total number of rodents examined to Jan. 1 | 314,493 |
| Total cases of rodent plague to Jan. 1, by species: | |
| Mus musculus | 6 |
| Mus rattus | 18 |
| Mus alexandrinus | 9 |
| Mus norvegicus | 239 |
| Total rodent cases to Jan. 1, 1916 | 272 |

## HAWAII—HONOLULU—PLAGUE PREVENTION.

The following report of plague-prevention work at Honolulu for the week ended December 18, 1915, was received from Surg. Trotter, of the United States Public Health Service:

| | |
|---|---|
| Total rats and mongoose taken | 425 |
| Rats trapped | 358 |
| Mongoose trapped | 5 |
| Rats shot from trees | 44 |
| Rats killed by sulphur dioxide | 18 |
| Examined microscopically | 353 |
| Showing plague infection | 0 |
| Classification of rats trapped: | |
| Mus alexandrinus | 106 |
| Mus norvegicus | 46 |
| Mus musculus | 173 |
| Mus rattus | 33 |
| Classification of rats shot from trees: | |
| Mus alexandrinus | 32 |
| Mus rattus | 12 |
| Classification of rats killed by sulphur dioxide: | |
| Mus alexandrinus | 2 |
| Mus rattus | 16 |
| Average number of traps set daily | 984 |
| Cost per rat destroyed | 18½ cents |

Last case rat plague, Aiea, 9 miles from Honolulu, Apr. 12, 1910.

Last case human plague, Honolulu, July 12, 1910.

Last case rat plague, Hamakua Mill, Paauilo, Hawaii, Dec. 15, 1915.

Last case human plague, Paauhau Plantation, tion, Hawaii, Dec. 16, 1915.

## PORTO RICO—PLAGUE PREVENTION.

The following table shows the number of rats and mice examined in Porto Rico for plague infection during the three weeks ended December 24, 1915. No plague infection was found.

| Place. | Rats. | Mice. |
|---|---|---|
| San Juan | 205 | 21 |
| Puerta de Tierra | 179 | 16 |
| Santurce | 316 | 9 |